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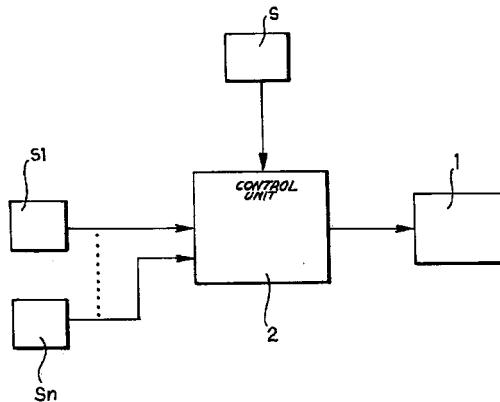
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(54) A system for controlling the activation of an air-bag in a motor-vehicle

(57) The system comprises a circuit (1) for controlling the activation of the air-bag, sensors (S,S1...Sn) for supplying electrical signals indicative of operative conditions of the motor vehicle, and an electronic control unit (2) arranged to analyse the signals supplied by the sensors (S,S1...Sn) and to control the circuit for controlling the activation of the air-bag in accordance with predetermined procedures.

The sensors comprise, in particular, a sensor (S) associated with the windscreen (3) of the motor vehicle for supplying a signal to the control unit (2) when a body outside the motor vehicle is situated less than a predetermined distance from the windscreen (3). The control unit (2) is arranged to control the circuit (1) for controlling the activation of the air-bag when the sensor (S) associated with the windscreen (3) supplies such a signal.

FIG. 1





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EUROPEAN SEARCH REPORT

Application Number
EP 98 11 2448

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)
Y	WO 86 05149 A (ROBERT BOSCH GMBH) 12 September 1986 (1986-09-12) * page 2, line 7 - line 16; claims *	1,9	B60R21/32
Y	GB 2 304 540 A (TAKATA CORP.) 26 March 1997 (1997-03-26) * abstract * * page 14, line 18 - page 15, line 19; figures 7,8A,8B *	1,9	
A	DE 42 18 030 A (ROBERT BOSCH GMBH) 9 December 1993 (1993-12-09) * the whole document *	1-3,8	
A	US 4 565 919 A (BITTER LOWELL E ET AL) 21 January 1986 (1986-01-21) * the whole document *	2-4	
TECHNICAL FIELDS SEARCHED (Int.Cl.)			
B60R H05B			
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
THE HAGUE	3 March 2000		Dubois, B
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 11 2448

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03-03-2000

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 8605149	A	12-09-1986		DE 3507381 A EP 0214148 A		04-09-1986 18-03-1987
GB 2304540	A	26-03-1997		JP 9132113 A DE 19636448 A GB 2333077 A,B US 5788281 A		20-05-1997 10-04-1997 14-07-1997 04-08-1998
DE 4218030	A	09-12-1993		NONE		
US 4565919	A	21-01-1986		CA 1232017 A EP 0169642 A JP 61027741 A US RE33343 E		26-01-1988 29-01-1986 07-02-1986 18-09-1990